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<b>(51) International Patent Classification <sup>5</sup> :</b> A61K 37/02, 39/00, 39/395 C07K 13/00, C12N 5/10, 15/12 C12P 21/00	<b>A1</b>	<b>(11) International Publication Number:</b> WO 94/11019 <b>(43) International Publication Date:</b> 26 May 1994 (26.05.94)
<b>(21) International Application Number:</b> PCT/US93/10851 <b>(22) International Filing Date:</b> 6 November 1993 (06.11.93)  <b>(30) Priority data:</b> 07/973,341 9 November 1992 (09.11.92) US 08/012,990 29 January 1993 (29.01.93) US  <b>(71) Applicant:</b> ZONAGEN, INC. [US/US]; 2408 Timberloch Place, B-4, The Woodlands, TX 77380 (US).  <b>(72) Inventors:</b> HARRIS, Jeffrey, D. ; 15 Flatstone, The Woodlands, TX 77381 (US). HSU, Kuang, T. ; 71 N. Misty Morning Trace, The Woodlands, TX 77381 (US). PODOLSKI, Joseph, S. ; 3 Pebble Hollow Court, The Woodlands, Tx 77381 (US).		<b>(74) Agent:</b> CLOUGH, David, W.; Marshall, O'Toole, Gerstein, Murray & Borun, 6300 Sears Tower, 223 S. Wacker Drive, Chicago, IL 60606-6402 (US).  <b>(81) Designated States:</b> AU, CA, JP, KR, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> MATERIALS AND METHODS FOR IMMUNOCONTRACEPTION  <b>(57) Abstract</b>  A method for specifically inducing transient infertility or permanent sterility in a host animal by selective vaccination with specific zona pellucida proteins or immunocontraceptively active fragments thereof. Novel zona pellucida DNA sequences encoding specific zona pellucida proteins are disclosed.		

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